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County of San Aiego DEPARTMENT PLANNING AND LAND USE BUILDING DIVISION

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TYPICAL SLAB FOOTING SYSTEM FOR NON EXPANSIVE STEPPED FOUNDATION WITH CRIPPLE WALLS SOIL DATA BASED ON 1997 UNIFORM BUILDING CODE STUDS (SEE TABLE BELOW) 2 X 4 AT 16" OC AND SEC. 2320.11.1 -SUBFLOOR WALL BRACING (SEE NOTE (3)) (SEE NOTE (2)) FOUNDATION MUD SILL (SEE NOTE (4)) FOUNDATION BOLTS ~ VENTS 1 SQ FT 7 (SEE NOTE (5)) PER 150 SQ FT THE SLAB SHALL NOT BE OF UNDER-LESS THAN 3 1/2" THICK DRIP SCREED FLOOR AREA (SEE NOTE (1) AND REQUIRED WHEN EXTERIOR SEC 2306.7 -**SECTION 1900.4.4)** FINISH IS STUCCO 0.00 31/2" MIN 1% MIN. SLOPE AWAY MIN 0 SILL PLATE (SEE NOTE (4) FLOOR JOIST **TABLES** I MAIN IN IN MAIN I MAIN IN MAIN I Ö SEE FORM REINFORCING (SEE NOTE (6)) 0. 0.0 00 0 . O **DPLU #415** SEE TABLE BELOW FOR FOOTING DIMENSIONS 0 0 FOOTING DIMENSIONS . 0 CONCRETE MUST REACH A STRENGTH OF 2,500 PSI WITHIN 28 DAYS. (SEC. 1921.2.4 & 1922.2.4) DEPTH OF STUDS MUST BE OF "STUD", "STANDARD", OR FOUNDATION NUMBER WIDTH "CONSTRUCTION" GRADE OR BETTER. OF OF BELOW NAT. SEE SEC. 2320.5 & 2320.11 FOR WALL BRACING REQUIREMENTS. **STORIES** FOOTING OR FINISH (INCHES) GRADE MUDSILL SHALL BE PRESSURE TREATED DOUGLAS FIR NOTES: OR FOUNDATION GRADE REDWOOD. (SECTION 2306.4) (INCHES) (A) CRIPPLE WALLS LESS THAN 14" HIGH, SHALL d w 5/8" X 10" FOUNDATION BOLTS 6' O.C. AND 12" FROM CORNERS BE FRAMED OF SOLID BLOCKING. WHEN LESS THAN FOR SINGLE STORY CONSTRUCTION. BOLTS MUST HAVE 4'. CRIPPLE WALLS SHALL BE FRAMED OF STUDS 12 12 2" X 2" X 3/16" PLATE WASHERS. (SEE SEC. 1806.6) NOT LESS IN SIZE THAN STUDDING ABOVE. WHEN 2 15 18 FOUNDATIONS SHALL BE PROVIDED WITH A MINIMUM OF ONE NO. 4 BAR AT EXCEEDING 4', CRIPPLE WALLS SHALL BE FRAMED 24 3 18 THE TOP AND BOTTOM OF THE FOOTING. WITH STUDS OF THE SIZE REQUIRED FOR AN STUD SIZING ADDITIONAL STORY. SEC. 2320.11.5 3 TIMES WALL (THE ABOVE DETAIL MAX. STUD LENGTH (FT) BUILD HT STUD SIZE SPACING THICK MAX IS NOT INTENDED FOR IIII II MIII WHERE GROUND SLOPES MORE THAN ONE IN STORIES (INCHES) (INCHES) BEARING WALL NON BRNG WALL **EXPANSIVE SOIL NOR** HIN IN IN HIN FOOT IN TEN. FOUNDATIONS SHALL BE LEVEL OR 11111 11111 10 14 2 X 4 16 DOES IT REPLACE STEPPED SO BOTH TOP AND BOTTOM ARE LEVEL. **ENGINEER DESIGNED** 14 2 2 X 4 16 10 SEC. 1806.4

SYSTEMS)

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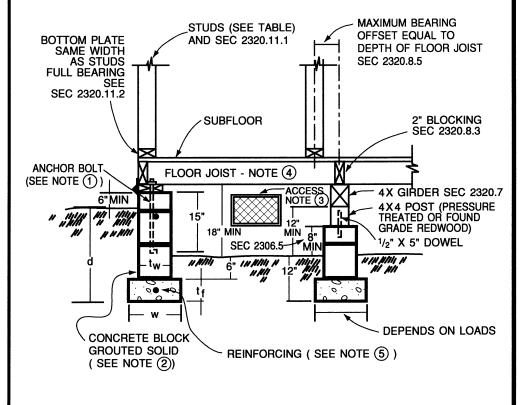
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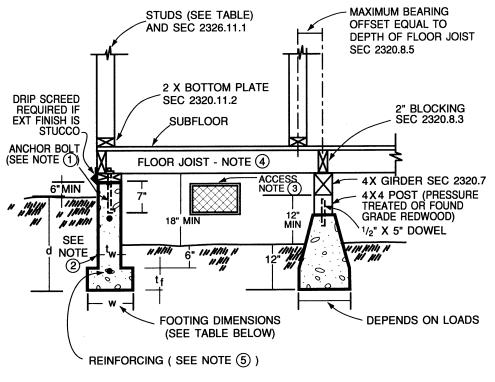
3 X 4

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CONCRETE BLOCK AND PIER FOUNDATION

CONCRETE AND PIER FOUNDATION





NOTES:

- (1) 5/8" ANCHOR BOLTS 6'-0" O.C. MAX AND 12" FROM CORNERS AND JOINTS. ALL FOUNDATION BOLTS MUST HAVE 2" X 2" 3/16" PLATE WASHERS. SEE SEC 1806.6
- (2) WALL HEIGHT SHALL NOT EXCEED SIX TIMES THE WIDTH (1w) WHEN MASONRY IS USED. ALL CELLS ARE TO BE GROUTED SOLID.
- (3) ACCESS 18" X 24" SEC. 2306.3.
- SEE FORM DPLU #415.
- 5 FOUNDATIONS WITH STEMWALLS SHALL BE PROVIDED WITH A MINIMUM OF ONE NO. 4 BAR AT THE TOP OF THE WALL AND AT THE BOTTOM OF THE FOOTING.

FOOTING DIMENSIONS					
	t _w		w	tf	d
NUMBER OF STORIES	THICKNESS OF FOUNDATION WALL (INCHES)		WIDTH OF FOOTING	THICKNESS OF FOOTING	DEPTH OF FOUNDATION BELOW NAT. OR FINISH
	CONCRETE	UNIT MASONRY	(INCHES)	(INCHES)	GRADE (INCHES)
1	6	6	12	6	12
2	8	8	15	7	18
3	10	10	18	8	24